Abstract of the Disclosure

A system and method for providing wireless time division multiplexed communications in which time is divided into a plurality of frames and each frame is divided into N data bursts, which has a first multiplexer defining a channel as a series of bursts that occur periodically every N bursts once per frame; a second multiplexer defining a sub-channel as every Mth burst of said channel; and a transmitter transmitting said channel and sub-channel from a first station to a second station. A new interleaving 0246/1357 method is used by the system which is just as good as the known 0123/4567 method when ideal frequency hopping is used, and 0246/1357 has better performance when non-ideal frequency hopping or no frequency hopping is used.